# DCC100 INORGANIC CERAMIC MEMBRANE ELEMENT

## Performance Characteristics

The ceramic membrane is a high-tech technology in the field of nano-scale separation, featuring good corrosion resistance and high temperature resistance. The filtration form is "cross-flow" filtration. Under the pressure-driven, the raw material liquid flows through the membrane tube, the small molecular components pass through the membrane, while the macromolecular components are intercepted by the membrane, thereby realizing low-temperature separation, concentration and purification of the nano-scale substances in the fluid.

Delemil ceramic membranes cover three levels of micro-filtration, ultra-filtration and nano-filtration. The length can be customized in the range of 100~1,200mm.

## Membrane Specifications

**Parameters of Membrane Element**

| Model | Outer Diameter (mm) | Channel Number (n) | Standard Length (mm) | Membrane Area ($m^2$) |
|---|---|---|---|---|
| DCC100 | 25 | 31 | 1060 | 0.333 |

## Schematic Diagram and Dimensions

| Category | Aperture (nm) | MWCO (Da) | Operating Temperature | Operating PH |
|---|---|---|---|---|
| Ceramic Microfiltration Membrane | 70-800 | -- | -10-150℃ | 0-14 |
| Ceramic Ultrafiltration Membrane | 3-30nm | 2000-100000 | -10-150℃ | 0-14 |
| Ceramic Nanofiltration Membrane | 0.9-1nm | 200-750 | -10-150℃ | 0-14 |
| Length: It can be customized within 100-1200mm. | | | | |